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IN THE CLAIMS

1. (Currently amended) A system for locating a mobile unit ~~(4)~~ including:
 - means ~~(3₁, 3₂, 3₃, 3₄, 3₅)~~ for transmitting a first signal ~~(24₁)~~ at a relatively high power ~~(P₁)~~;
 - means ~~(3₁, 3₂, 3₃, 3₄, 3₅)~~ for transmitting a second signal ~~(24₂)~~ at a predetermined, relatively low power ~~(P₂)~~;
 - means ~~(4)~~ for receiving said first signal;
 - means ~~(4)~~ for determining a first signal strength of said first signal at said means for receiving said first signal;
 - means ~~(4)~~ for determining whether said first signal strength exceeds a relatively low threshold level ~~(P_A)~~ so as to determine whether service may be provided;
 - means ~~(4)~~ for receiving said second signal;
 - means ~~(4)~~ for determining a second signal strength of said second received at received at said means for receiving said second signal;
 - means ~~(4)~~ for determining whether said second signal strength exceeds a relatively high threshold level ~~(P_B)~~ so as to locate the mobile unit within a known distance ~~(R)~~ of said means for transmitting said second signal.
2. (Currently amended) A system according to Claim 1, wherein said relatively high power ~~(P₁)~~ is at least 0 dBm.
3. (Currently amended) A system according to Claim 1-, wherein said relatively high power ~~(P₁)~~ is at least 6 dBm, 13 dBm or 20 dBm.
4. (Currently amended) A system according to Claim 1, said relatively low power ~~(P₂)~~ is no more than 0 dBm.
5. (Currently amended) A system according to Claim 1, wherein said relatively low threshold level ~~(P_A)~~ is no more than -85 dBm.

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6. (Currently amended) A system according to Claim 1, wherein said relatively high threshold level $\{P_A\}$ is no less than -65 dBm.
7. (Currently amended) A system according to any Claim 1, wherein said means $\{3_1, 3_2, 3_3, 3_4, 3_5\}$ for transmitting said first and second signals transmit said first and second signals $\{24_1, 24_2\}$ at different times.
8. (Currently amended) A system according to Claim 1, which is a wireless local area network $\{1\}$.
9. (Original) A system according to Claim 8, wherein said means $\{3_1, 3_2, 3_3, 3_4, 3_5\}$ for transmitting said first signal $\{24_1\}$ is an access point.
10. (Currently amended) A system according to Claim 8, wherein said means $\{3_1, 3_2, 3_3, 3_4, 3_5\}$ for transmitting said second signal $\{24_2\}$ is an access point.
11. (Currently amended) A system according to Claim 8, wherein said means $\{4\}$ for receiving said first signal $\{24_1\}$ is a mobile unit.
12. (Currently amended) A system according to Claim 8, wherein said means $\{4\}$ for receiving said second signal $\{24_2\}$ is a mobile unit.
13. (Original) A system according to Claim 8, wherein said means $\{4\}$ for transmitting said first signal $\{24_1\}$ is a mobile unit.
14. (Currently amended) A system according to Claim 8, wherein said means $\{4\}$ for transmitting said second signal $\{24_2\}$ is a mobile unit.
15. (Currently amended) A system according to Claim 8, wherein said means $\{3_1, 3_2, 3_3, 3_4, 3_5\}$ for receiving said first signal $\{24_1\}$ is an access point.

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16. (Currently amended) A system according to Claim 8, wherein said means ~~(3₄, 3₂, 3₃, 3₄, 3₅)~~ for receiving said second signal ~~(24₂)~~ is an access point.

17. (Canceled)

18. (Currently amended) A system for locating a mobile unit ~~(4)~~ including:
a first transmitter ~~(9, 10)~~ for transmitting a first signal ~~(24₁)~~ at a relatively high power ~~(P₁)~~;
a second transmitter ~~(9, 10)~~ for transmitting a second signal ~~(24₂)~~ at a predetermined, relatively low power ~~(P₂)~~;
a first receiver ~~(18)~~ for receiving said first signal;
a first detector ~~(17, 16)~~ for determining a first signal strength of said first signal at said first receiver;
a first controller ~~(19)~~ for determining whether said first signal strength exceeds a relatively low threshold level so as to determine whether service may be provided;
a second receiver ~~(18)~~ for receiving said second signal;
a second detector ~~(17, 16)~~ for determining a second signal strength of said second signal at said second receiver;
a second controller ~~(19)~~ for determining whether said second signal strength exceeds a relatively high threshold level so as to locate the mobile unit within a known distance of said means for transmitting said second signal.

19. (Currently amended) An access point ~~(3₁, 3₂, 3₃, 3₄, 3₅)~~ configured for use in the system according to Claim 1.